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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/601,033	06/20/2003	Hiroharu Ikeda	100647-3300CONT	8460
31013	7590 05/31/2006		EXAMINER	
KRAMER LEVIN NAFTALIS & FRANKEL LLP INTELLECTUAL PROPERTY DEPARTMENT			HENDRICKSON, STUART L	
	UE OF THE AMERICAS		ART UNIT	PAPER NUMBER
NEW YORK	NY 10036		1754	
			DATE MAILED: 05/31/2006	5

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
	10/601,033	IKEDA ET AL.			
Office Action Summary	Examiner	Art Unit			
	Stuart Hendrickson	1754			
The MAILING DATE of this communication appeariod for Reply	pears on the cover sheet wi	th the correspondence address			
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	NATE OF THIS COMMUNION (136(a). In no event, however, may a rewill apply and will expire SIX (6) MON e, cause the application to become AB	CATION. eply be timely filed THS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 3/20	<u>//06</u> .				
2a)⊠ This action is FINAL . 2b)□ This	This action is FINAL . 2b) This action is non-final.				
3) ☐ Since this application is in condition for allowa	•	•			
closed in accordance with the practice under I	Ex parte Quayle, 1935 C.D	. 11, 453 O.G. 213.			
Disposition of Claims					
4) ☐ Claim(s) 2 is/are pending in the application. 4a) Of the above claim(s) is/are withdra 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 2 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or					
Application Papers					
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) accomplicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Example 11.	cepted or b) objected to lead or b) objected to lead or b) objected to lead or abeyand or better the drawing of	ce. See 37 CFR 1.85(a). s) is objected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Burea * See the attached detailed Office action for a list 	ts have been received. ts have been received in A prity documents have been nu (PCT Rule 17.2(a)).	oplication No received in this National Stage			
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	Paper No(s	ummary (PTO-413))/Mail Date formal Patent Application (PTO-152) 			

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The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over applicants' admissions concerning JP 3-503334 taken with Yagi et al.

Applicants admit on pg. 5 of the specification that the fibers of '334 are old and known. This differs in that the heating of the known fibers is not admitted as prior art.

Yagi teaches in column 2 lines 40-60 heating carbon fibers to 2500-3500 in inert gas and arriving at fibers with a diameter of 0.05-2 microns. The overlapping diameter range renders the claim unpatentable; In re Malagari 182 USPQ 549.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to so heat the known fibers of '334 because doing so stabilizes the structure and make the conductive material desired by Yagi col. 1 lines 15-30.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claim 2 is rejected under 35 U.S.C. 102(e) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Rodriguez et al. article.

The reference teaches on pgs. 13108-9 crystalline, highly pure nanotubes of the claimed size which are highly graphitic (d002 is 3.37 for perfect graphite), and the catalyst is removed. No differences are seen, given that the properties recited are indicative of a crystalline, highly pure graphitic material. Concerning the hollow portion, pg. 1310 teaches this.

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Applicant's arguments filed 3/20/06 have been fully considered but they are not persuasive.

The references are combinable for the reasons expressed, and meet all the limitations in so far as it can be determined. That Yagi teaches different materials does not detract from the scientific validity of the motivation to heat treat the admitted fibers; slight imperfections can be annealed away. Removing the catalyst by acid wash is axiomatic that one seeking a pure carbon would remove the catalyst (if any were used in the synthesis)- see Yagi col. 9. The 'perfection' of the priority PCT date is requested.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication should be directed to examiner Hendrickson at telephone number (571) 272-1351.

Stuart Hendrickson examiner Art Unit 1754